Title (en)

APPARATUS FOR CONTROLLING ACCELERATION AND DECELERATION FOR SERVO CONTROL

Publication

EP 0378708 A4 19920311 (EN)

Application

EP 89908522 A 19890724

Priority

JP 18689388 A 19880728

Abstract (en)

[origin: WO9001187A1] An apparatus for controlling acceleration and deceleration for servo control capable of reliably suppressing vibration of a servo motor that is a source for driving machines. The apparatus for controlling acceleration and deceleration is provided with the same number of acceleration/deceleration control units as the servo motors provided for the machine, and each acceleration/deceleration control unit consists of a predetermined number of delay units and has first to third acceleration/deceleration filters that are connected in series. The first to third filters sent to the second and third filters and to the corresponding servo circuits the outputs (Pb, Pc, Pd) that are obtained by dividing the sum of an instruction speed (Pa), the ones corresponded to the first filter output (Pb) and to the second filter output (Pc), and values stored in the delay units of the filters by a value which consists of a number of units to which "1" is added. Discontinuity of the first and second derivatives (acceleration, and rate of change of acceleration) of the first filter output (Pb) generated during the acceleration/deceleration processing ($g(t)) is removed by the acceleration/deceleration processing through the second and third filters.

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CPC (source: EP US)

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Citation (search report)

- [A] EP 0187864 A1 19860723 - FANUC LTD [JP]
- See references of WO 9001187A1

Cited by

EP0864952A1; EP0477412A1; EP0768587A1; US5832188A; CN1097758C; EP3334031A4

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